ABEL TASMAN GRANITE COAST ECOSYSTEM
NATIVE PLANT RESTORATION LIST

Locality:	Coastal hill country, valley floors, flats and inlets between Riwaka River mouth and Ligar Bay including Kaiteriteri, Marahau all of the Abel Tasman coastline, Wainui Bay and Tata Beach.
Topography:	Steep, rugged coastline indented with numerous sandy beaches and inlets. Inlets often enclosed by sandy spits. Larger bays are backed by coastal flats. Alluvial terraces confined to lower reaches of the largest rivers: Otuwhero, Marahau, Awapoto, Awaroa and Wainui Rivers.
Soils and Geology:	Granite geology. All soils derived from granite rocks. Hill country soils infertile and well-drained; very skeletal especially on ridges. Alluvial sandy loams of moderately low fertility.
Climate:	High sunshine hours; frosts light; mild annual temperatures; rainfall 1400-1600mm. Drought-prone in summer and autumn.
Coastal influence:	Extensive coastal influence. Coastline mostly sheltered although some headlands exposed to maritime conditions. Numerous inlets and estuaries.
Original Vegetation:	Podocarp - beech - mixed broadleaf forest. Hill country dominated by rimu, northern rātā, hard and black beeches. Wetlands dominated by kāhikatea and pukatea. Extensive estuarine vegetation
Human Modification:	Extensive areas still in native cover, although mostly induced as a result of extensive fires. Little original forest remains. Good areas of estuarine and freshwater wetland vegetation retained. Very little native cover remaining on coastal flats and river terraces.

[Refer to the Ecosystem Restoration map showing the colour-coded area covered by this list.]

KEY

PLANTING RATIO	PLANT PREFERENCES	TYPE OF FOOD PROVIDED FOR
Early Stage plants are able to establish in open sites and can act as a nursery for later stage plants by providing initial cover. **Later Stage** plants need some cover to establish. **2** = plant commonly **1** = plant less commonly **0** = not suitable to plant at this stage	**Wet, Moist, Dry, Sun, Shade, Frost, Saline** **1** = prefers or tolerates **½** = prefers or tolerates some **0** = intolerant of **Plant in habitat type:** **H** = hill country **R** = river banks and stream sides **T** = river terraces **CF** = coastal flats **RC** = rocky coast **D** = dunes **W** = freshwater wetland **E** = estuary	**F** = Fruit/seeds **N** = Nectar **B** = Buds/foliage **I** = Insects

prepared by Shannel Courtney for Tasman District Council, June 2007
Last update: July 2008

PLANT SPECIES FOR ABEL TASMAN GRANITE COAST ECOSYSTEM		EARLY STAGE PLANTING RATIO	LATER STAGE PLANTING RATIO	PLANT PREFERENCES							HABITAT								Maximum Height (metres)	Food Type
Botanical Names	**Māori & Common Names**			**Wet**	**Moist**	**Dry**	**Sun**	**Shade**	**Frost**	**Saline**	**Hill country**	**River banks & Streamsides**	**River terraces**	**Coastal flats**	**Rocky coast**	**Dunes**	**Freshwater wetlands**	**Estuary**		
TREES																				
Alectryon excelsus	tītoki	0	1	0	1	1	0	1	0	0			T	CF					15	FI
Aristotelia serrata	makomako, wineberry	1	2	½	1	0	0	1	½	0	H	R	T	CF					10	FBI
Ascarina lucida	hutu	0	1	½	1	0	½	1	½	0	H	R							5	F
Brachyglottis repanda	rangiora	0	1	0	1	½	½	1	½	0	H				RC				4	
Carpodetus serratus	putaputāwētā, marbleleaf	2	1	1	1	0	1	½	1	0	H	R	T	CF					10	FBI
Coprosma grandifolia	raurekau	0	2	½	1	0	½	1	0	0	H	R	T	CF					6	FB
Coprosma lucida	shining karamū	1	2	0	1	1	1	½	½	0	H	R			RC				6	F
Coprosma repens	taupata	2	0	1	1	1	1	0	0	½				CF	RC				5	FI
Coprosma robusta	karamū	1	1	½	1	1	1	½	½	0	H	R	T	CF	RC				6	F
Cordyline australis	tī kouka, cabbage tree	1	0	1	1	1	1	0	1	0			T	CF			W		12	FNI
Cordyline banksii	tī ngahere	0	1	½	1	1	1	½	½	0	H	R							4	FN
Coriaria arborea	tree tutu	2	0	½	1	1	1	0	½	0	H	R	T	CF	RC		W		6	F
Cyathea cunninghamii	gully treefern	0	1	½	1	0	0	1	½	0	H	R							20	I
Cyathea dealbata	ponga, silver fern	0	2	0	1	½	0	1	½	0	H		T						7	I
Cyathea medullaris	mamaku, black treefern	0	2	½	1	0	0	1	0	0	H	R	T						10	I
Dacrycarpus dacrydioides	kāhikatea	1	2	1	1	0	½	½	1	0	H	R	T	CF			W		60	FI
Dacrydium cupressinum	rimu	0	2	1	1	½	½	½	1	0	H		T	CF					35	FI
Dicksonia fibrosa	whekī ponga	0	1	½	1	0	½	1	1	0			T						6	I
Dicksonia squarrosa	whekī	0	2	½	1	0	0	1	1	0	H	R	T	CF					6	I
Dodonaea viscosa	akeake	2	0	0	1	1	1	0	½	0	H	R	T	CF	RC				7	I
Dracophyllum urvilleanum	weeping tree inaka	0	1	0	½	1	½	½	1	0	H				RC				6	N
Elaeocarpus dentatus	hīnau	0	1	½	1	0	½	1	½	0	H								18	FNBI
Elaeocarpus hookerianus	pōkākā	1	1	1	1	0	½	½	1	0	H	R	T						12	FI
Fuchsia excorticata	kōtukutuku, tree fuchsia	0	1	½	1	0	½	1	½	0		R	T						10	FNBI
Griselinia littoralis	papauma, broadleaf	1	1	0	1	1	1	1	1	0	H	R	T						12	FBI

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Saline	Hill country	River banks & Streamsides	River terraces	Coastal flats	Rocky coast	Dunes	Freshwater wetlands	Estuary		
Griselinia lucida	puka	1	2	0	1	1	1	½	0	0				CF	RC				8	FBI
Hedycarya arborea	porokaiwhiri, pigeonwood	0	2	0	1	1	1	½	½	0	H	R	T	CF					8	FBI
Kunzea ericoides	kānuka	2	0	0	½	1	1	0	1	0	H	R	T	CF	RC				15	NI
Laurelia novae-zelandiae	pukatea	0	2	1	½	0	0	1	0	0	H	R	T				W		35	BI
Leptospermum scoparium	mānuka	2	0	1	1	1	1	0	1	½	H	R	T	CF	RC		W	E	8	NI
Lophomyrtus obcordata	rōhutu	1	1	½	1	1	1	1	½	0			T						8	FI
Macropiper excelsum	kawakawa, pepperwood	0	2	½	1	1	1	1	0	0	H	R	T	CF	RC				6	FI
Melicope ternata	whārangi	1	1	0	1	1	1	½	0	0					RC				7	B
Melicytus ramiflorus	māhoe, whiteywood	0	2	½	1	1	½	1	½	0	H	R	T	CF	RC				10	FBI
Metrosideros robusta	northern rātā	2	0	½	1	½	½	0	½	0	H	R	T		RC				30	N
Myoporum laetum	ngaio	2	0	0	1	1	1	0	0	½				CF	RC				10	FN
Myrsine australis	māpou	2	1	0	1	1	1	½	1	0	H	R	T	CF	RC				8	FI
Myrsine salicina	toro	1	1	½	1	0	½	1	1	0	H								8	F
Nothofagus menziesii	silver beech	1	1	1	1	1	½	½	1	0	H		T						30	F
Nothofagus solandri var. solandri	black beech	2	2	0	1	1	1	½	1	0	H		T		RC				25	FNI
Nothofagus truncata	hard beech	2	2	0	½	1	1	½	½	0	H				RC				30	FNI
Olearia paniculata	akiraho	1	0	0	½	1	1	0	½	0				CF	RC				6	I
Olearia rani	heketara	0	1	0	1	1	½	½	½	0	H								7	I
Pennantia corymbosa	kaikōmako	1	1	1	1	1	1	1	1	0			T	CF					12	FNBI
Pittosporum eugenioides	tarata, lemonwood	1	1	½	1	1	1	½	1	0		R	T	CF					12	FI
Pittosporum tenuifolium	kōhūhū	2	0	0	1	1	1	½	1	0	H	R	T	CF	RC				9	FBI
Podocarpus hallii	thin-barked tōtara	1	1	0	1	1	1	½	1	0	H								20	FBI
Podocarpus totara	tōtara	1	1	0	1	1	1	½	1	0			T	CF					30	FBI
Prumnopitys ferruginea	miro	0	1	½	1	0	½	½	1	0	H								25	FI
Prumnopitys taxifolia	matai	1	1	0	1	1	1	½	1	0			T	CF					25	FI
Pseudopanax arboreus	orihou, five finger	1	2	0	1	½	½	½	½	0	H	R	T	CF	RC				8	FNBI
Pseudopanax crassifolius	horoeka, lancewood	2	2	½	1	1	1	1	1	0	H	R	T	CF	RC				10	FNI

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Botanical Names	Māori & Common Names	EARLY STAGE PLANTING RATIO	LATER STAGE PLANTING RATIO	Wet	Moist	Dry	Sun	Shade	Frost	Saline	Hill country	River banks & Streamsides	River terraces	Coastal flats	Rocky coast	Dunes	Freshwater wetlands	Estuary	Maximum Height (metres)	Food Type
Pseudowintera axillaris	lowland horopito	0	1	½	1	0	0	1	½	0	H		T						7	F
Quintinia serrata	tāwheowheo, quintinia	0	1	½	1	0	½	1	1	0	H								12	N
Rhopalostylis sapida	nīkau	0	2	½	1	0	0	1	0	0	H		T	CF					10	FNI
Schefflera digitata	patē, seven-finger	0	2	½	1	0	½	1	½	0		R	T						8	FBI
Solanum aviculare	poroporo	1	0	0	1	½	½	½	½	0			T	CF					3	F
Streblus banksii	ewekurī, large-leaved milk tree	0	1	0	1	1	½	1	0	0				CF	RC				12	FB
Weinmannia racemosa	kāmahi	1	1	½	1	½	½	½	1	0	H	R	T						10	NI
SHRUBS																				
Coprosma acerosa	sand coprosma	2	0	0	½	1	1	0	½	½						D			1	F
Coprosma propinqua ssp. propinqua	mikimiki	2	0	1	1	1	1	0	1	0		R	T	CF			W	E	5	F
Coprosma rhamnoides	bucks-horn coprosma	1	2	0	½	1	1	½	1	0	H	R	T	CF	RC				2	F
Coprosma tayloriae	tier coprosma	1	1	1	1	1	1	½	1	0	H		T						2	F
Coprosma tenuicaulis	swamp coprosma	2	1	1	1	0	1	½	1	0							W		3	F
Dracophyllum filifolium	inaka	1	0	0	½	1	½	½	½	0	H								2	NI
Hebe divaricata	shrub koromiko	1	0	½	1	1	1	½	1	0	H				RC				2	
Hebe elliptica	kokomuka	1	0	½	1	½	1	½	½	0					RC				2	
Hebe stricta var. atkinsonii	koromiko	2	0	½	1	½	1	½	½	0	H	R	T	CF	RC		W		2	NBI
Leptecophylla juniperina	prickly mingimingi	1	1	0	½	1	1	½	1	0	H				RC				3	F
Leucopogon fasciculatus	mingimingi	0	2	0	½	1	½	½	1	0	H		T						4	F
Leucopogon fraseri	pātōtara	2	0	0	1	1	1	0	1	½				CF		D			0.2	F
Melicytus "Waipapa"	lowland porcupine shrub	1	0	0	½	1	1	½	1	0					RC				0.5	F
Melicytus crassifolius	coastal porcupine shrub	2	0	0	½	1	1	0	½	0					RC				0.5	F
Ozothamnus leptophyllus	tauhinu, cottonwood	2	0	0	½	1	1	0	1	½	H	R	T	CF	RC				2	I
Pimelea gnidia	laurel daphne	0	1	0	0	1	½	½	½	0	H								1.5	F
Pittosporum divaricatum	wiry kōhūhū		1	0	1	1	1	½	1	0	H								2	
Plagianthus divaricatus	mākaka, coastal ribbonwood	2	0	½	1	1	1	0	1	½								E	1.5	
Raukaua anomalus	stout netting bush	1	1	½	1	½	½	1	1	0		R	T						2	FN

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Botanical Names	**Māori & Common Names**			Wet	Moist	Dry	Sun	Shade	Frost	Saline	Hill country	River banks & Streamsides	River terraces	Coastal flats	Rocky coast	Dunes	Freshwater wetlands	Estuary		
CLIMBERS																				
Calystegia sepium ssp. sepium	native convolvulus	0	1	½	1	0	1	½	½	0							W		3	
Calystegia soldanella	shore convolvulus	2	0	0	½	1	1	0	0	0						D			0.2	
Clematis paniculata	puawānanga, bush clematis	1	1	0	1	0	½	½	½	0	H	R	T	CF					7	
Freycinetia banksii	kiekie	0	2	½	1	½	0	1	½	0	H	R	T	CF	RC				10	FNI
Fuchsia perscandens	scrambling fuchsia	0	1	½	1	0	½	½	½	0		R	T	CF					2	FNBI
Metrosideros diffusa	rātā vine	0	1	½	1	0	½	1	½	0	H	R	T						10	N
Metrosideros fulgens	scarlet rātā vine	0	2	0	1	½	½	1	½	0	H	R	T		RC				15	NI
Metrosideros perforata	lowland rātā vine	0	2	0	1	½	½	1	½	0	H	R	T	CF	RC				15	N
Muehlenbeckia complexa	scrambling pōhuehue	2	0	0	½	1	1	0	1	½				CF		D		E	2	FBI
Parsonsia capsularis	native jasmine	1	1	0	1	1	½	½	1	0		R	T	CF	RC				5	I
Passiflora tetrandra	kōhia, native passionvine	0	1	0	1	0	½	½	0	0			T	CF					15	FN
Rhipogonum scandens	kareao, supplejack	0	2	1	1	0	½	1	½	0	H	R	T	CF					15	F
GRASSES, SEDGES, RUSHES & GROUND COVERS																				
Anemanthele lessoniana	gossamer grass	1	1	0	1	1	½	½	½	½				CF					1	
Apium prostratum	sea celery	2	0	½	1	0	1	½	1	½								E	0.1	F
Apodasmia similis (=Leptocarpus)	oioi, jointed rush	2	0	1	1	0	1	0	½	½								E	1.5	I
Asplenium bulbiferum	mauku, hen & chicken fern	0	2	½	1	0	0	1	½	0			T	CF					0.5	B
Asplenium gracillimum	graceful spleenwort	0	2	0	1	½	0	1	½	0	H								0.7	B
Asplenium oblongifolium	shining spleenwort	0	2	0	1	1	½	1	0	0	H	R	T	CF	RC				0.5	
Astelia fragrans	ground lily	0	2	0	1	0	½	1	½	0		R	T	CF					1.5	F
Astelia grandis	swamp lily	2	1	1	1	0	1	½	1	0							W		2	F
Astelia solandri	slender pershing lily	0	1	0	1	1	½	½	½	0					RC				0	F
Atriplex cinerea	grey salt bush	1	0	0	1	1	1	0	½	0								E	1	
Austrofestuca littoralis	sand tussock	2	0	0	1	1	1	0	1	½						D			1	I
Baumea rubiginosa	stout pākihi sedge	2	0	1	1	0	1	0	1	0							W		1.5	I

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Botanical Names	**Māori & Common Names**			**Wet**	**Moist**	**Dry**	**Sun**	**Shade**	**Frost**	**Saline**	**Hill country**	**River banks & Streamsides**	**River terraces**	**Coastal flats**	**Rocky coast**	**Dunes**	**Freshwater wetlands**	**Estuary**		
Baumea tenax	slender pākihi sedge	2	0	1	1	0	1	0	1	0							W		0.8	
Baumea teretifolia	pākihi sedge	2	0	1	1	0	1	0	1	0							W		1	I
Blechnum discolor	piupiu crown fern	0	1	0	1	½	½	1	½	0	H		T						0.5	I
Blechnum filiforme	climbing hardfern	0	2	0	1	1	0	1	0	0			T	CF					5	
Blechnum minus	swamp kiokio	2	2	1	1	0	1	½	1	0							W		0.5	
Blechnum novae-zelandiae	kiokio	2	2	1	1	1	½	1	1	0		R					W		2	I
Bolboschoenus caldwellii	pūrua grass	1	0	1	½	0	1	0	½	½							W		2	
Carex comans	maurea	2	0	0	1	1	1	0	1	0			T	CF					0.3	
Carex flagellifera	whip sedge	2	0	½	1	½	1	0	½	½		R	T	CF	RC				0.5	
Carex forsteri	forest sedge	1	2	0	1	1	½	½	½	0		R	T	CF	RC				1	
Carex geminata	toetoe rautahi	2	0	1	1	0	1	½	1	0							W		1.5	I
Carex “geminata wide leaf"	swamp rautahi	2	0	1	½	0	1	½	½	0							W		1.5	I
Carex lessoniana	peat rautahi	2	0	1	½	0	1	½	½	0							W		1	I
Carex litorosa	estuary sedge	2	0	1	1	0	1	0	½	½								E	0.7	
Carex pumila	sand sedge	2	0	0	½	1	1	0	½	½						D			0.2	
Carex raoulii	coastal sedge	2	0	0	1	1	1	½	½	½				CF	RC				0.5	
Carex secta	pūrei	2	1	1	½	0	1	½	1	0							W		2	I
Carex solandri	droop sedge	0	2	0	1	½	½	½	1	0		R	T	CF					1	
Carex testacea	bootstrap sedge	2	1	0	1	1	1	½	1	0			T	CF					0.6	
Carex virgata	pukio	2	1	1	½	0	1	½	1	0							W		1.5	I
Collospermum hastatum	perching lily	0	1	0	1	1	½	½	½	0					RC				1	F
Cortaderia richardii	South Island toetoe	2	0	1	1	1	1	0	1	0		R	T	CF			W		3	I
Cotula coronopifolia	bachelors button	2	0	½	½	0	1	0	½	½								E	0.1	
Cyperus ustulatus	upoko tangata	2	0	½	1	½	1	0	½	½			T	CF		D	W		1	F
Desmoschoenus spiralis	pīngao	2	0	1	1	1	1	0	1	½				CF		D			1	I
Dianella nigra	tūrutu, blueberry	0	2	0	1	1	1	½	½	0	H	R	T	CF					0.3	F
Disphyma australe	horokaka, native iceplant	1	0	0	½	1	1	0	½	½					RC				0.1	FB

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Botanical Names	Māori & Common Names			Wet	Moist	Dry	Sun	Shade	Frost	Saline	Hill country	River banks & Streamsides	River terraces	Coastal flats	Rocky coast	Dunes	Freshwater wetlands	Estuary		
Euphorbia glauca	native sand spurge, waiūatua	2	0	0	1	1	1	0	½	½						D			1	
Ficinia nodosa (=Isolepis nodosa)	knot sedge	2	0	0	½	1	1	0	½	½				CF	RC	D			1	
Gahnia pauciflora	small cutty sedge	1	1	0	1	1	1	½	½	0	H								1.5	F
Gahnia setifolia	cutty sedge	2	1	0	1	1	1	½	½	0	H	R							2	F
Gahnia xanthocarpa	giant cutty sedge	2	1	1	1	0	1	1	1	0							W		2	F
Hypolepis ambigua	hypolepis	1	0	½	1	0	1	½	1	0			T	CF					1	
Hypolepis dicksonioides	giant hypolepis	1	0	½	1	0	1	0	0	0				CF					2	
Juncus kraussii ssp. australiensis	sea rush	2	0	1	1	0	1	0	½	1								E	1	I
Juncus pallidus	tall swamp rush	1	0	1	1	0	1	0	½	0							W		2	
Leptinella dioica	coastal button	1	0	½	1	½	1	½	½	½								E	0.1	I
Libertia mooreae	native iris	0	1	0	1	½	½	½	½	0		R	T						0.3	
Lobelia anceps	shore lobelia	1	0	½	1	1	1	½	0	½								E	2	
Microlaena polynoda	bamboo grass	0	1	0	1	1	½	½	½	0				CF					2	
Microlaena stipoides	meadow ricegrass	1	2	0	1	1	½	½	½	0			T	CF					0.2	
Microsorum pustulatum	hounds tongue fern	1	1	0	1	1	½	1	½	0	H	R	T	CF	RC				0.2	B
Phormium cookianum	whararikī, coastal flax	2	0	0	1	1	1	0	1	½		R		CF	RC	D			1.5	N
Phormium tenax	harakeke, swamp flax	2	0	1	1	½	1	0	1	0		R	T	CF			W		2	N
Pneumatopteris pennigera	pākau, gully fern	0	1	0	1	0	0	1	½	0		R	T	CF					1	I
Poa aff. cita	coastal silver tussock	2	0	0	1	1	1	0	½	½				CF	RC				0.5	I
Poa anceps	carpet poa	0	1	0	1	1	1	½	½	½				CF	RC				0.2	I
Polystichum neozelandicum	lowland shield fern	0	1	0	1	½	0	1	½	0	H	R	T	CF					0.5	
Samolus repens	sea primrose	2	0	½	1	½	1	0	½	1								E	0.1	
Sarcocornia quinqueflora	glasswort	2	0	1	½	0	1	0	½	1								E	0.1	
Schoenoplectus pungens	three square	2	0	1	½	0	1	0	1	1								E	0.8	
Schoenoplectus tabernaemontani	kāpungawhā, lake clubrush	2	0	1	½	0	1	0	½	½							W	E	2	I
Selliera radicans	remuremu	2	0	½	1	1	1	0	½	½								E	0.1	I
Spinifex sericeus	kōwhangatara, spinifex	2	0	0	1	1	1	0	½	½						D			0.5	I

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PLANT SPECIES FOR ABEL TASMAN GRANITE COAST ECOSYSTEM		EARLY STAGE PLANTING RATIO	LATER STAGE PLANTING RATIO	PLANT PREFERENCES							HABITAT								Maximum Height (metres)	Food Type
Botanical Names	**Māori & Common Names**			**Wet**	**Moist**	**Dry**	**Sun**	**Shade**	**Frost**	**Saline**	**Hill country**	**River banks & Streamsides**	**River terraces**	**Coastal flats**	**Rocky coast**	**Dunes**	**Freshwater wetlands**	**Estuary**		
Suaeda novae-zelandiae	sea blite	2	0	1	½	0	1	0	½	1								E	0.1	
Tetragonia implexicoma	coastal spinach	1	1	0	1	½	1	½	0	½				CF	RC	D			0.5	F
Tetragonia tetragonioides	New Zealand spinach	2	0	0	½	1	1	½	0	½				CF				E	0.3	B
Typha orientalis	raupō	2	0	1	½	0	1	0	1	½							W		3	
Uncinia banksii	tufted hookgrass	0	2	0	½	1	½	½	½	0	H								0.3	
Uncinia uncinata	hookgrass	1	2	½	1	½	½	1	1	0	H	R	T	CF	RC				0.5	